

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



534254

(43) International Publication Date  
27 May 2004 (27.05.2004)

PCT

(10) International Publication Number  
WO 2004/044001 A2

(51) International Patent Classification<sup>7</sup>: C07K 14/47

(21) International Application Number:  
PCT/IB2003/005718

(22) International Filing Date:  
11 November 2003 (11.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0226251.7 11 November 2002 (11.11.2002) GB

(71) Applicant (for all designated States except US): FON-  
DAZIONE CENTRO SAN RAFFAELE DEL MONTE  
TABOR [IT/IT]; Via Olgettina, 60, I-20132 Milano (IT).

(72) Inventor; and

(75) Inventor/Applicant (for US only): BIANCHI, Marco, E.  
[IT/IT]; c/o San Raffaele H Scientific Institute, Via Olgettina 58, I-20132 Milano (IT).

(74) Agents: MALLALIEU, Catherine, Louise et al.; D  
Young & Co, 21 New Fetter Lane, London EC4A 1DA  
(GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,  
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,  
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,  
MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,  
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,  
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH,  
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,  
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,  
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— without international search report and to be republished  
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

WO 2004/044001 A2

(54) Title: ACETYLATED PROTEIN

(57) Abstract: An isolated multiply acetylated protein HMGB1; or a variant or fragment thereof, or a polynucleotide encoding  
therefor.